

LT-ANT430-450-9

Fiberglass Omni Base Antenna | 430-450 MHz | 9 dBi

Product Overview :

The LT-ANT430-450-9 Fiberglass Omni Base Antenna is engineered for high-gain, wide-area communication within the 430–450 MHz UHF band. Featuring a 9 dBi gain and omni-directional coverage, it ensures strong, consistent signal transmission across 360°. Housed in a weather-resistant fiberglass radome, this antenna is built for durable outdoor performance in demanding conditions. It is ideal for base station applications in commercial, industrial, and critical communication systems where extended range and reliability are essential.

Key Features :

- 430–450 MHz UHF frequency range
- High 9 dBi gain for extended communication range
- Omni-directional radiation pattern for full 360° signal coverage
- Rugged fiberglass radome for long-lasting outdoor use
- Weather-resistant construction for stable performance in harsh conditions

Key Highlights :

- Low VSWR design for maximum signal efficiency and minimal loss
- DC grounded for lightning protection, enhancing system safety
- Lightweight yet durable structure for easier transport and installation
- Corrosion-resistant materials for long-term reliability in outdoor environments

Applications:

- Air Traffic Communication
- Aviation Ground Stations
- VHF Radio Broadcast Systems
- Airport Infrastructure & Control Towers
- Maritime and Coastal Stations (VHF Airband)



Specification :

LT-ANT430-450-9	
Frequency Range	430-450 MHz
Antenna Gain	9 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.65
Pattern	Omnidirectional
Vertical Beamwidth	13°
Termination	N Female
Dimensions (Length x Base Diameter)	126 18" x 2 76"
Installed Antenna Wt (Antenna + Clamps)	8 5 Kg
Fiberglass Color	Blue
Wind rating (0 5" ice)	37 .4 KgF
Maximum Exposed Area	2 02 ft2
Lateral Thrust at 100 mph	8 .4 KgF

